

## AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED) A method for activating and deactivating parameter sets during decoding of a bitstream for display comprising the steps of:

(A) storing a first picture parameter information set associated with a first identification value and a second picture parameter information set associated with a second identification value in a computer readable storage medium, wherein said first and said second picture parameter information sets comprise infrequently changing picture parameter information;

(B) tagging said first picture parameter information set as active in response to a reference to said first identification value in a bitstream; ~~and~~

(C) changing the tag of said first picture parameter information set from active to inactive and tagging said second picture parameter information set as active in response to a reference to said second identification value in said bitstream; and

(D) tagging said second picture parameter information set as inactive and re-tagging said first picture parameter information set as active in response to a subsequent reference to said first identification value in said bitstream, wherein said first picture parameter information set and said second picture

parameter information set are received in said bitstream prior to receiving said reference to said first identification value and said reference to said second identification value, respectively.

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2. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said first picture parameter information set and said second picture parameter information set comprise H.264/MPEG4-AVC compliant picture parameter sets.

3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said first picture parameter information set and said second picture parameter information set comprise H.264/MPEG4-AVC compliant sequence parameter sets.

4. (CANCELED).

5. (CANCELED).

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6. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the step of storing picture parameter information sets further comprises storing a plurality of sequence parameter sets and a plurality of picture parameter sets and only one sequence parameter set and one picture parameter set are tagged as active at any given time.

7. (PREVIOUSLY PRESENTED) The method according to claim 1, further comprising the steps of:

parsing network abstraction layer (NAL) unit syntax from said bitstream; and

5 parsing one or more NAL unit types from said NAL unit syntax.

8. (PREVIOUSLY PRESENTED) The method according to claim 7, further comprising the step of:

controlling said parsing of said one or more NAL unit types based upon an active sequence parameter set and an active  
5 picture parameter set.

9. (ORIGINAL) The method according to claim 1, further comprising the step of:

controlling a video decoding process based upon an active sequence parameter set and an active picture parameter set.

10. (CURRENTLY AMENDED) An apparatus comprising:

means for storing a first picture parameter information set associated with a first identification value and a second picture parameter information set associated with a second identification value in a computer readable storage medium, wherein said first and said second picture parameter information sets comprise infrequently changing picture parameter information and are received in a bitstream prior to receiving a reference to said first identification value and a reference to said second identification value, respectively;

means for ~~activating~~ tagging said first picture parameter information set as active in response to ~~a~~ said reference to said first identification value in ~~a~~ said bitstream;

means for ~~deactivating~~ changing a tag of said first picture parameter information set from active to inactive and activating tagging said second picture parameter information set as active in response to ~~a~~ said reference to said second identification value in said bitstream;

means for re-tagging said first picture parameter information set as active and tagging said second picture parameter information set as inactive in response to a subsequent reference to said first identification value in said bitstream; and

means for decoding said bitstream for display based upon an active picture parameter information set.

11. (CURRENTLY AMENDED) An apparatus comprising:

a first circuit configured (i) to tag a first picture parameter information set as active in response to receiving a reference to a first identification value associated with said first picture parameter information set in a bitstream ~~and~~, (ii) to ~~untag~~ change the tag of said first picture parameter information set ~~as from~~ active to inactive and tag a second picture parameter information set as active in response to receiving a reference to a second identification value associated with said second picture parameter information set in said bitstream, and (iii) to re-tag said first picture parameter information set as active and tag said second picture parameter information set as inactive in response to receiving a subsequent reference to said first identification value in said bitstream; and

a second circuit configured to store said first picture parameter information set and said second picture parameter information set, wherein said first picture parameter information set and said second picture parameter information set are received in said bitstream prior to receiving said reference to said first identification value and said reference to said second identification value, respectively.

12. (PREVIOUSLY PRESENTED) The apparatus according to claim 11, wherein said first picture parameter information set and

said second picture parameter information set comprise H.264/MPEG4-AVC compliant picture parameter sets.

13. (PREVIOUSLY PRESENTED) The apparatus according to claim 11, wherein said first picture parameter information set and said second picture parameter information set comprise H.264/MPEG4-AVC compliant sequence parameter sets.

14. (ORIGINAL) The apparatus according to claim 11, wherein:

said second circuit is further configured to store a plurality of sequence parameter sets and a plurality of picture parameter sets.

15. (CANCELED).

16. (ORIGINAL) The apparatus according to claim 11, wherein:

said first circuit is configured to tag only one sequence parameter set and one picture parameter set as active at any given time.

17. (PREVIOUSLY PRESENTED) The apparatus according to claim 11, wherein said first circuit further comprises:

a first parser configured to parse a network abstraction layer (NAL) unit syntax from said bitstream; and

5 a second parser configured to parse one or more NAL unit types from said NAL unit syntax.

18. (PREVIOUSLY PRESENTED) The apparatus according to claim 17, wherein:

said second parser is further configured to parse said one or more NAL unit types based upon an active sequence parameter set and an active picture parameter set.

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19. (PREVIOUSLY PRESENTED) The apparatus according to claim 17, further comprising:

a video decoder configured to decode said bitstream based upon an output from said second parser, an active sequence parameter set and an active picture parameter set.

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20. (ORIGINAL) The apparatus according to claim 19, further comprising:

a device configured to present a video display in response to an output of said video decoder and an output of said second parser.

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